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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. HO-P02142US2

First Inventor Katrin Fuhrer

Title A TIME-OF-FLIGHT MASS SPECTROMETER  
FOR MONITORING OF FAST PROCESSES

Express Mail Label No. EU578408105US

U.S. PTO

03345  
107689173

10/20/03

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 31]  
(preferred arrangement set forth below)  
 - Descriptive title of the invention  
 - Cross Reference to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table,  
 or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 9]  
11

5. Oath or Declaration [Total Sheets ]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
 i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

MS Patent Application  
ADDRESS TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
 a.  Computer Readable Form (CRF)  
 b. Specification Sequence Listing on:  
 i.  CD-ROM or CD-R (2 copies); or ii.  Paper  
 c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of  
(when there is an assignee) Attorney

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS  
Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76.

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 10/155,291

Prior application information: Examiner Paul M. Gurzo Art Unit: 2881

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

 Customer Number: 26271 OR  Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Gino Catena	Registration No. (Attorney/Agent)	45,546
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Signature		Date	October 20, 2003
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**Utility Patent Application Transmittal**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EU578408105US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: October 20, 2003

Signature: (Pamela Tincha)

11696 U.S.PTO  
102003

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ ) 428.00

Complete if Known	
Application Number	Not Yet Assigned
Filing Date	October 20, 2003
First Named Inventor	Katrin Fuhrer
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	HO-P02142US2

METHOD OF PAYMENT (check all that apply)					FEE CALCULATION (continued)																																																																																																																																																																																																																																																																																													
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account: Deposit Account Number      06-2375 Deposit Account Name      Fulbright & Jaworski L.L.P.					<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th colspan="2">Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td></td><td></td><td>1051</td><td>130</td><td>2051</td><td>65</td><td colspan="2">Surcharge - late filing fee or oath</td><td></td></tr> <tr><td></td><td></td><td>1052</td><td>50</td><td>2052</td><td>25</td><td colspan="2">Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td></td><td></td><td>1053</td><td>130</td><td>1053</td><td>130</td><td colspan="2">Non-English specification</td><td></td></tr> <tr><td></td><td></td><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td colspan="2">For filing a request for ex parte reexamination</td><td></td></tr> <tr><td></td><td></td><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td colspan="2">Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td></td><td></td><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td colspan="2">Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td></td><td></td><td>1251</td><td>110</td><td>2251</td><td>55</td><td colspan="2">Extension for reply within first month</td><td></td></tr> <tr><td></td><td></td><td>1252</td><td>420</td><td>2252</td><td>210</td><td colspan="2">Extension for reply within second month</td><td></td></tr> <tr><td></td><td></td><td>1253</td><td>950</td><td>2253</td><td>475</td><td colspan="2">Extension for reply within third month</td><td></td></tr> <tr><td></td><td></td><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td colspan="2">Extension for reply within fourth month</td><td></td></tr> <tr><td></td><td></td><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td colspan="2">Extension for reply within fifth month</td><td></td></tr> <tr><td></td><td></td><td>1401</td><td>330</td><td>2401</td><td>165</td><td colspan="2">Notice of Appeal</td><td></td></tr> <tr><td></td><td></td><td>1402</td><td>330</td><td>2402</td><td>165</td><td colspan="2">Filing a brief in support of an appeal</td><td></td></tr> <tr><td></td><td></td><td>1403</td><td>290</td><td>2403</td><td>145</td><td colspan="2">Request for oral hearing</td><td></td></tr> <tr><td></td><td></td><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td colspan="2">Petition to institute a public use proceeding</td><td></td></tr> <tr><td></td><td></td><td>1452</td><td>110</td><td>2452</td><td>55</td><td colspan="2">Petition to revive - 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SUBMITTED BY		(Complete if applicable)		
Name (Print/Type)	Gino Catena	Registration No. (Attorney/Agent)	45,546	Telephone (713) 651-5144
Signature		Date	October 20, 2003	

Fee Transmittal	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EU578408105US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: October 20, 2003	Signature:  (Pamela Tincha)

Application No. (if known):

Attorney Docket No.: HO-P02142US2

## Certificate of Express Mailing Under 37 CFR 1.10

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Commissioner for Patents  
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Alexandria, VA 22313-1450

on October 20, 2003  
Date

  
\_\_\_\_\_  
Signature

Pamela Tincha  
\_\_\_\_\_  
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Application Data Sheet